Data acquisition and the display method

Background of the invention

Technical field

This invention is a thing on which amateurs spread health care administration including nutrition calculation and which can be performed easily.

This system expresses processing results, such as a calculation result, also not only a character but a humorous picture.

The mode of expression can be displayed on screens, such as the screen saver screen and desktop screen of a computer, and a default window of a cellular phone, in addition to the screen seen with the purpose.

We can conclude automatically casually that we see this display screen also in a scene.

We see this display screen automatically casually as if we see s cenery.

A user has health care administration automatically continued happily by such comfortable inspection method without resistance.

By these easy way of expression a user can continue happily health care administration.

As a result , the user will continue the health care administration for a long time.

Geriatric diseases, an unbalanced diet, and consciousness of lack of exercise can do the way which grasps its health condition, and people can expect positive management.

People are aware of their geriatric diseases,unbalanced diet,and consciousness of lack of exercise and tend to cope with their health care administration positively if they grasp their health condition.

Furthermore people chenge the consciousness to health to a concrete thing with calcium insufficient from a vague thing.And this invention is useful for health education from a child even to an old man as a result.

The system transmitted in the range which permitted others self data is effective for a person in continuation of the simple data input which is solitary like nutrition calculation and likely to become a sticker-at-nothing.

It continues long for a person to work by other's participation rather than carrying out b y one person and while also considering a partner's thing.

We can do it, enjoying solitary work by adding others.

This invention is applicable also to fields other than nutrition calculation. This invention is applicable also to fields other than nutrition calculation. -- checking each other progress condition at work further, when this invention teaches a data-processing result when inputting the degree of work advance using a terminal by two or more persons, and it suits etc. it separates and is useful for the check and connection in the

case of working.

This invention is useful in case checking each other progress condition at work, teaching each other a data-processing result and inputting the degree of work advance using a terminal by two or more persons, 1 for the check and connection in the case of working away

Background art

A conventional health-care-administration system including the nutrition calculation has the special thing which a dietitian uses, and an easy thing for the amateurs for the purpose of a diet.

The goods for the amateurs for a diet mainly perform calorie calculation.

They seldam touche other nutrients.

The registration food is about 500-1000 kinds of commercial food or a standard dish.

Although the systems which make others peruse data are an image display, stock information, etc., it connects with the target site here and these receive service.

Although the methods of teaching a data-processing result and the progress condition of work, and suiting are a telephone, radio, oral, documents, etc., we have time taken much by the operation for it etc.

A conventional health-care-administration system including the nutrition calculation has the special thing which a dietitian uses, and an easy thing for the amateurs for the purpose of a diet.

There is also neither a simple input nor a service function like the frequency-in-use best 40, the data input in which treatment is troublesome and fine is required, and the screen display of a special thing is also insipid at enumeration of a character or a table.

The special thing has also neither a simple input nor a service function like the frequency-in-use best 40, the data input in which treatment is troublesome and fine is required, and the screen display is also insipid at enumeration of a character or a table.

The goods for the amateurs for a diet have main calorie calculation. Other nutrients are seldom touched with it.

It has little the registration food as 500-1000 kinds of commercial food or a standard dish. It cannot carry out additional registration and cannot register an original dish like a homemade tomato salad. The display screen is a character representation as a result . For a man, it is simple snd solitary to use that.

And there is no pleasure.The function is good from the meaning for the purpose of calorie calculation. However, as a result, the user stops to use it with becoming a sticker-at-nothing and without continuing long. It can have only the self-information on

vague health as a result.

Although the system which makes others peruse data has a picture, stock information, etc., it connects with the target site here and these receive service. Here, it is transmitted to a person's in question terminal, and a partner's data is displayed on a screen, and can peruse inevitably. There is no such thing in the former. A partner has to write e-mail diligently in case of an e-mail system. A person in question has to open and read e-mail. There is no system by which nutrition data etc. is not labored as a result of data input, but is carried out, and data reaches a partner. This must do the work it is independently told to a partner that is the same record work of self, even when the progress condition of other data processing or work is taught and it suits.

Summary of the Invention

Indication of invention

In order to solve the above-mentioned problem, in this design, pictures, such as a computer and a cellular phone with a built-in computer, and a character representation are possible, and it is a character input,a means to input food or a dish for the equipment with a built-in computer which can communicate,a means to input the good influence or the bad influence to a means to input what was eaten, and the body beforehand produced on the nutritional information and these excess and deficiency of food or a dish, a sick name, or the picture and illustration relevant to them,calculation processing of the nutrient state of the body is carried out from the food which the accountant ate, and it is a calculation result,the feature of being the program operated as a means to display the influence on the body related from excess and deficiency with a character, a picture, or an illustration, and a means to send the data of influence in these bodies to a communication partner's communication apparatus with computer ability, and to display with the equipment is carried out.

Pictures, such as a computer and a cellular phone with a built-in computer, and a character representation are possible, and it is a character input,a means to input food or a dish for the equipment with a built-in computer which can communicate,a means to input the good influence or the bad influence to a means to input what was eaten, and the body beforehand produced on the nutritional information and these excess and deficiency of food or a dish, a sick name, or the picture and illustration relevant to them,calculation processing of the nutrient state of the body is carried out from the food which the accountant ate, and it is a calculation result,a means to display the influence on the body related from excess and deficiency with a character, a picture, sound, or an illustration,the data of influence in these bodies is sent to a communication partner's

communication apparatus with computer ability, and the feature of being the recording medium which recorded the data acquisition processing display program for making it function as a means to display with the equipment and in which computer reading is possible is carried out.

A means to be equipment used for health care administration, and to input food or a dish,a means to input the good influence or the bad influence to a means to input what was eaten, and the body beforehand produced on the nutritional information and these excess and deficiency of food or a dish, a sick name, or the picture and illustration relevant to them,the influence on the body which carries out calculation processing of the nutrient state of the body from the food which the accountant ate, and is related from a calculation result and excess and deficiency a character or the feature of being the data acquisition processing display which consists of a means to display to a picture, an illustration, or sound, and a means to send the data of influence in these bodies to another equipment, and to display with the equipment is carried out.

Set to a system including the calorie calculation or nutrition calculation by the equipment with a built in computer in which pictures, such as a computer and a cellular phone with a built in computer, and a character representation are possible.good influence, and the lack of exercise and the amount of smoking of the food or the excess of food ingestion containing the nutrient which the accountant runs short of as a result of data input processing of the eaten food, or adequate intake that it may produce in the body of an appropriate person, and damage or information and adequate intake of food which were eaten or movement or the value of a sport or healthy activity or the feature of being the data acquisition processing display system which a character, a display on a computer screen, a screen saver, and a cellular phone wait for the matter and thing relevant to them, receives them, and is displayed with a computer or equipment with a built in computer by the method of of pictures and sounds, such as a screen, or music and others is carried out.

A public network, a run cable, or radio, such as the Internet etc.a system is divided into the object for servers (a parent system enceforth), and clients (a child system henceforth) in a system including the calorie calculation or nutrition calculation by the computer in the state in which network connection is possible,A parent system is put into a server,a child system is put into pictures and characters, such as a client computer and a cellular phone with a built in computer, or the equipment with a built in computer in which a sound display is possible, and a parent system processes the input data from this equipment to a server.it is considering a processing result as data information on a character, a picture, or sound.It sends to the equipment with a built in

computer containing a child system.or the feature of being the data acquisition processing display system of claim 4 which receives with the equipment, a character, a screen saver, and a cellular phone wait for, receives by a child system, and is displayed on a computer or equipment with a built in computer by the method of of pictures, such as a screen, or sound and others is carried out.

A public network, a run cable, or radio, such as the Internet etc.a system is divided into the object for servers (a parent system henceforth), and clients (a child system henceforth) in a system including the calorie calculation or nutrition calculation by the computer in the state in which network connection is possible,a parent system is put into a server,a child system is put into pictures and characters, such as a client computer and a cellular phone with a built-in computer, or the equipment with a built in computer in which a sound display is possible, and a parent system processes the input data from this terminal unit to a server.the food containing the element which the accountant runs short of as a result of the food and data processing which the accountant ate, or the excess of food ingestion moreover a part or all of that it may produce in an accountant's body with lack of exercise or the amount of smoking, damage or the matter relevant to them, or a thing is used as the data of a character, a picture, or sound information,it is considering a processing result as a character, a picture, or data information on sound.It sends to the equipment with a built-in computer containing a child system.or the feature of being the data acquisition processing display system which receives with the equipment, a character, a screen saver, or a cellular phone waits for, receives, and is displayed on a computer or equipment with a built-in computer by the method of pictures, such as a screen, sound, or others is carried out.

In the system which includes the calorie calculation or nutrition calculation by the computer in the state in which network connection is possible by a public network, a run cable, or radio, such as the Internet, etc.,a system is put into a server and data is inputted into a server from equipment with a built-in computer and computers, such as a cellular phone in which sound, a character, a picture, or a sound display is possible,the data is processed with a server,food, the excess of food ingestion, or the lack of exercise and the amount of smoking containing the element which the accountant runs short of as a result of the food or data processing which the accountant ate the value of the information on that it may produce in an accountant's body, damage, or the eaten food, adequate intake, movement, a sport, or healthy activity, or a part or all of the matter relevant to them or a thing is used as the data of a character, a picture, or sound,processing resultThe character, the picture, or sound which transmitted and received the sound, character, or image data to a picture, a character, or the equipment

with a built in computer in which a sound display is possible, such as a cellular phone with a built in computer, to the equipment of an accountant or a data visitor with transceiver means, such as e-mail, and was received on the equipment screen the feature of being the data acquisition processing display system which can be displayed is carried out.

A public network, a run cable, or radio, such as the Internet etc.set to the calorie calculation, nutrition calculation, or health care administration by the computer in the state in which network connection is possible,food, the excess of food ingestion, or the lack of exercise and the amount of smoking containing the element which the accountant runs short of as a result of the food and data processing which gave men other than a data input person or an accountant (a third person henceforth) permission, and the accountant ateThat it may produce in an accountant's body, and damage or the information and adequate intake of food, and movement which were eaten or the value of a sport or healthy activity or part or all of the matter relevant to them, or a thing character or a picture or the computer which a third person possesses for sound information or a picture or a character or it sends to equipment with a built-in computer, such as a cellular phone in which a sound display is possible, or receives with the equipment, and with the equipment, a character, a screen saver, or a cellular phone waits, and it receives, is the method of pictures, such as a screen, sound, or others, and is a computer,or the feature of being the data acquisition processing display system of claims 5 or 6 displayed on the screen of equipment with a built-in computer is carried out.

A public network, a run cable, or radio, such as the Internet etc.when sending data to apparatus with a built in computer, such as a computer which other men possess with the computer or the equipment with a built in computer in the state in which network connection is possible, a picture, a character, or a cellular phone in which a sound display is possible, or receiving with the equipment,the situation of the sender's feeling, feeling, or the body etc. a character, a picture, or sound data information together sending or receivableWith a receipt person's equipment, a character, a screen saver, and a cellular phone wait, and it receives, and is a computer, claim 5 which indicates by equipment with a built-in computer, 6 or 7, or 8 or 10 with the method of pictures, such as a screen, a character, sound, or others.or the feature of being the data acquisition processing display system of 11 is carried out.

They are the server computer into which the parent system of a data processing inspection was put by a public network, a run cable, or radio, such as the Internet, etc. in the state in which network connection is possible, and a client computer containing

equipment with a built in computer, such as a cellular phone into which the child system of a data inspection was put,It is with the visitor who downloads or receives, receives from a server some or all of data by which obtained permission of the data input person from a client to a server, and this input person, and the input process was carried out, and peruses by another client,when a data input person inputs into a server and does operation processing operation, it downloads or receives and operation processing data is received in the system of an input person's client,and the feature of being the data acquisition processing display system which changed into the state where the operation processing data of the range with which the visitor was permitted can be downloaded or sent to the child system of a visitor's client, or is sent to a visitor's client by e-mail is carried out.

They are the server computer into which the parent system of a data-processing inspection was put by a public network, a run cable, or radio, such as the Internet, etc. in the state in which network connection is possible, and a client computer containing equipment with a built-in computer, such as a cellular phone into which the child system of a data inspection was put,It is with the visitor Y who receives or downloads from a server some or all of data by which obtained permission of the data input person X from a client to a server, and this input person, and the input process was carried out, and peruses by another client,When a data input person inputs into a server and registration operation processing operation is carried outoperation processing data A an input a person a client a child a system reception or downloading and a visitor granting a permission -- having had the range operation processing data A 'the child system of visitor's Y client transmission or being downloadable a state carrying out or when e-mail transmission was carried out, and Visitor Y turns into the data input person Y, inputs data similarly and does registration operation processing operation next, this operation processing data B and A' are received or downloaded to their client,And it enabled it to transmit or download data B' for an inspection of X to Visitor's X client child system,or carry out e-mail transmission, namely, they are the registration operation processing to a server, and data download to an input person,Each other data is acquirable by turns by registration operation processing operation of the data which performs a series of processings of the download to a visitor, data creation, or e-mail transmission by operation once and to which a data input person and a data visitor point from their client to a server,the feature of being the data acquisition processing display system which can be perused is carried out.

A means to input data for a computer or equipment with a built in computer, the means which carries out calculation processing of the inputted data with a terminal

unit or a server,after processing ending those data, an indication is given possible with equipment with a built-in data input person computer,It sends to an inspection partner to an inspection partner by preservation or mail to a server at a sake, an inspection partner acquires data from a server or mail, and the feature of being a data acquisition processing display program for making it function as a means to display with a computer or equipment with a built in computer is carried out.

The feature of being the data acquisition processing display program which carries out processing processing of these data when the data input person to this equipment finishes an input with a communication apparatus with computer ability and processing is performed, and saves at a file in order to show it to a visitor, or and is sent by e-mail is carried out. saving both data of them.

Brief Description of the Drawings

Fig. 1 is a figure of the user computer in the case of carrying out by a stand-alone by this invention, and a health-care-administration system offer company server.

Fig. 2 is a figure of an example of connection in the case of carrying out this invention by the client/server architecture of a computer.

Fig. 3 is an example figure of connection in the case of making network connection and carrying out this invention with terminal machines, such as a cellular phone and PDA.

Fig. 4 is an example figure of connection in the case of putting in and carrying out a main system to the server of a health-care-administration system offer company by this invention.

Fig. 5 is a block diagram showing the composition of the computer of this invention implementation form, or apparatus with a built-in computer.

Fig. 6 is a block diagram showing the composition of a contained [this invention health-care-administration system] computer.

Fig. 7 is an enforcement form block diagram of this invention.

Fig. 8 is the TOP screen of this invention implementation form.

Fig. 9 is the data taking-in screen of this invention implementation form.

Fig. 10 is the food data input screen of this invention implementation form.

Fig. 11 is a search-results screen in the search term hamburger of this invention implementation form.

Fig. 12 is the cooking set display screen of this invention implementation form.

Fig. 13 is the cooking set creation screen of this invention implementation form.

Fig. 14 is the display picture of the dairy cow of this invention implementation form.

Fig. 15 is the display picture of the bald head of this invention implementation form.

Figs. 16 are the nutrition calculation result of this invention implementation form, and a figure of a display of a related picture.

Fig. 17 is a figure of an example of the nutrient and effect of this invention implementation form, and a related picture.

Figs. 18 are input screens, such as a password in the case of calculating by two or more persons of this invention implementation form.

Fig. 19 is the setting screen of the display picture of this invention implementation form.

Fig. 20 is a block diagram of the user server in the case of the client server system of this invention implementation form.

Fig. 21 is a block diagram of the client in the case of the client server system of this invention implementation form.

Fig. 22 is a search-results screen in the search term breakfast of this invention implementation form.

Fig. 23 is the display screen of the bread breakfast set of this invention implementation form.

Fig. 24 is a figure which displayed the related picture of the calculation result in the health-care-administration system of this invention on the TOP screen of a computer.

Fig. 25 is a TOP screen in the cellular phone of this invention implementation form.

Fig. 26 is a figure which displayed Fig. 22 of this invention implementation form with the cellular phone.

Fig. 27 is a block diagram of the corporate server in the case of putting in and carrying out a main system to the server of a health-care-administration system offer company by this invention.

Fig. 28 is a block diagram of a terminal which put in the child system of this invention implementation form.

Fig. 29 is the TOP screen of the system which can download the data for an inspection to others of this invention implementation form.

Fig. 30 is the basic setting screen of the system which can download the data for an inspection to others of this invention implementation form.

Fig. 31 is the contents setting screen of an inspection of the system which can download the data for an inspection to others of this invention implementation form.

Fig. 32 is a setting screen in the case of sending the data for an inspection to others of this invention implementation form by e-mail.

Fig. 33 is the download screen of the system which can download the data for an inspection to others of this invention implementation form.

Fig. 34 is the child system screen for an inspection of the system which can download the data for an inspection to others of this invention implementation form.
Fig. 35 is the feeling state setting screen of the system which can download the data for an inspection to others of this invention implementation form.
Fig. 36 is a figure showing movement of the data of this invention implementation form.
Fig. 37 is the flow chart of advance of this invention implementation form.
Fig. 38 is a figure showing the role of each computer of this invention implementation form.
Fig. 39 is the composition of the terminal of this invention implementation form which does not mind a server.
Fig. 40 is the flow chart of advance which does not mind the server of this invention implementation form.
Fig. 41 is an example of the nutrition calculation result of this invention implementation form.
Figs. 42 are the feeling of this invention implementation form, and the example of mark of work.
Fig. 43 is an example of the support command data of this invention implementation form.
Fig. 44 is an example of the server equipment composition of this invention implementation form.

Detailed description of the Invention

Description of preferred embodiment is explained below.

The suitable enforcement form of this invention is explained below.
It may differ from the person and data donor who input the data of a meal like in case a mother performs a child's nutrition calculation . Here, this is called a user supposing the case where an input person does his own nutrition calculation.

First, when calculating by stand-alone computer (Fig. 1). In this case, a user installs this system in the computer (11) to be used. A user moves to a basic setting screen in Fig. 8, and inputs the individual data of users, such as a user's name, height, weight, sex, age, and an occupation.

Here, this system takes data, such as nutrition calculation, calorie calculation, quantity of motion, salt, cholesterol, drinking, and smoking.
And this system carries out processing calculation of them.
This system is created so that it may be used for the purpose of healthy whole management. The picture to display also relates to these.

The equipment which installs this system is a computer or equipment with a built-in computer, and the display of a picture, a character, or sound data is possible . Sound data is voice, music, or a noise.

In order to perform a daily data input correctly promptly, registration of an everyday dish is also possible for this system. A user moves to a food set registration screen in Fig. 8, and registers the dish often eaten every day as shown in Fig. 22. A user pushes an additional button on the food registration screen of Fig. 13, searches and chooses food, and inputs weight.(Fig. 10) Then, this system creates a meal set. If a user puts in the check "registered as a set", and inputs a set name and pushes a registration button, a new meal set will be registered into this system. (Fig. 13)In this case, although a calculation candidate is not registered, he can also register for every calculation candidate.

The food best 40 is for the user to register what users, such as a breakfast set (bread, coffee, ham), a hamburger set, and a cafe au lait, beer, eat well every day in Fig. 8. This function saves the time of input search and simplifies registration. In the quantity-of-motion input column, a user inputs quantity of motion for how many hours he walked and takes the data of calorie calculation.

A user takes in the food data of an addition to a user computer from a health-care-administration system offer company server by the food data taking-in function of Fig. 9. At this time, a user specifies the downloaded data and takes food data into the nutrition calculation system of a user computer.

Food required for these registration shall be downloaded from the Internet, or shall be carry out additional installation from record disks, such as a floppy disk. Bread,French bread, a roll, etc. are various also on bread. These functions were added in order to cope with a user's needs, the appearance of a new product, etc. Of course, popular food, such as bread and a roll, is contained in the software for installation as selection data from the beginning.

A food single article mainly means the thing of foods. An egg salad is registered with a dish. If a standard egg salad is having registered with 35g of eggs, 59g of cucumbers, Lettuce 20g, and Mayonnaise 15g.

However, in case homemade egg salads are 30g of eggs, 40g of cucumbers, and Mayonnaise 20g, a user should just carry out additional registration of this dish as a homemade egg salad.

However, correctness is important for nutrition calculation, and the easy thing of an input and continuing are also important. Therefore, it is also one method for a user to disregard a little error and to utilize the existing standard data.

The method of download of food data is as follows. A user chooses and downloads the data which he wants to use from much food data which connects with the corporate server of service offer by public networks, such as the Internet, and this server has. Nutrition data of 1g of food single articles, one egg, etc., such as nutrition data and the standard home cooking of unit quantity, and a commercial dish, are registered into the corporate server, and they are added to the server at any time.

A user can set up from what day the display of a calculation result is performed. A user can choose the following image display method.

One is a screen saver about a picture and another is displaying in a system,another is displaying on the corner of a computer screen etc.(Fig.24).

A user gets at the beginning of nutrition calculation, after finishing a setup of dish. Nutrition calculation here includes calorie calculation also including quantity of motion. Here, the user set up so that the image display of the calculation result after meal data input on the 3rd might be carried out by a screen saver.

Fig. 5 is a block diagram of each equipment of a computer or a terminal with a built-in computer also including terminals with a built-in computer, such as a cellular phone with a built-in computer used for using this system, and L mode telephone, PDA. A control device 501 performs control, data transfer, operation, etc. An input device 502 inputs a character etc. and the communications processing equipment of 504 receives a character and image data. 503 is a display and expresses character data and the result which carried out calculation processing as a character or a picture. The memory storage of 505 is equipment in which the data which created or was received is stored. It explains henceforth also using these terms.

Fig. 7 is a figure showing connection between public networks, such as the Internet, and the computer and the apparatus with a built-in computer containing this health-care-administration system. The corporate server of 700 is a server which this health-care-administration system offer company manages.

Fig. 6 is the memory storage and the block diagram of each file of a computer in which the health-care-administration system is installed. 601 is a control device that performs control, operation, data processing, etc. An input device 602 controls the data transmitted by the corporate server by the Internet. An output unit 603 controls the data sent to a headquarters server. Next, it describes about the data saved at memory storage. Main programs, such as a guidance screen, an input screen, etc. when performing nutrition calculation, are saved at memory storage 604. Inputted data and processed data are saved at memory storage 605. The food data and its nutrition data used for nutrition calculation are saved at memory storage 606. The image data

displayed on a screen as a result of an input and calculation processing is contained in memory storage 607.

It presupposes that a user starts with the data input of lunch after supper . A user pushes a food input button on the TOP screen of a nutrition calculation system. A control device receives information from the input device of a computer, and food search screen (figure 10) of a main program is displayed on a display. Since a user's lunch was a hamburger, he inputs into the search term input column as a hamburger, attaches a check to "search from a cooking set", and pushes a search button. Then, a control device searches from the food file 606, and it presupposes that the two-affair result was displayed on the display as shown in Fig. 11.

When a user chooses the hamburger set (McDonald's) of No234, a control device will display the screen of Fig. 12 on a display.

The check is attached to the hamburgers of a hamburger set, coffee, and all the French fries. However, since French fries are not eating, it chooses "it deletes" and a user deletes them. And if a calculation button is pushed, a control device will register this data and a processing result into the personal information file 605. The image display by a screen saver although nutrition calculation is made at this time is 3.

Although nutrition calculation is made at this time, since the image display by a screen saver is from the 3rd, an indication by a screen saver is not given yet. If the user also drank milk at this time, he can push an additional button and can add milk. He can choose a hamburger, can eliminate with an elimination button, and can add a cheeseburger instead.

Although supper was meuniere [of a salmon / 100g], a tomato salad, Consomme 150g, and Roll 60g, since there was in a set menu, a user uses food registration. He moves to the screen of Fig. 13 first. He chooses a calculation candidate. At this time, food has not been displayed on a screen yet. If he pushes an additional button, the search screen of Fig. 10 will appear. He chooses a salmon with a food menu, inputs quantity as 70g,and chooses meuniere (no fish), and inputs 10g. A tomato salad, consomme, and a roll are inputted similarly. Then since food names as shown in Fig. 13 are enumerated, it is calculated, if a calculation button is pushed. If this menu is registered into the set menu, from next time, he can input easily.

Since the fish which that there is meuniere (no fish) here uses for meuniere was considered many kinds, it made the set 3g of flour , 3g of oil, Butter 2g, and 1g of salt used for meuniere. These may adjust and set up the amount used by themselves, and may download the existing thing from the server of a nutrition calculation system offer company. A user may adjust and set up these amount used by himself, and may

download the existing thing from the server of a nutrition calculation system offer company. A tomato salad (Tomato 60g, Lettuce 25g, mayonnaise 15g) and consomme (Bacon 15g, 20g of carrots, 40g of onions, consomme 5g) are also the same. Although a certain amount of thing is contained also in the sold health-care-administration software, since considering the numerousness of the kinds of food, and the combination of the material it becomes a vast quantity of data, the data which has not gone into health-care-administration software, the additional data based on the request from a user, etc. are put into a corporate server, and download of them is enabled.

Since calcium and vitamin A are insufficient as a result of nutrition calculation after the registration on the 3rd finishes, the picture of a dairy cow (Fig. 14) or a bald head (Fig. 15) is displayed by a screen saver. Moreover, it is displayed also on a display screen (Fig. 16) together with text as a result of a health-care-administration system.

If meal registration of the last on the 3rd is made, a control device will carry out nutrition calculation based on the data of a file 605 and a file 606. And a control device saves processing result data at the personal information file 605, chooses the picture applicable to a processing result from the picture file 607, and it displays an applicable picture on a display as a screen saver while it displays calculation result screen figure 16. When there are two or more pictures, it displays repeatedly by turns.

A user can see more detailed information by moving to the screen which displays a result of a health-care-administration system. (Fig 16).

He can find the insufficient degree of calcium and vitamin A.

he can see what kind of sufficient food to compensate shortage, and he can find what kind of thing has the influence on the body depended insufficient. He can see what kind of picture prepared as a warning etc.

A part of relation of a nutrient and a human body was displayed on Fig. 17. It can be made pleasant nutrition calculation by displaying the influence of a nutrient by a humorous picture. The picture of the devilkin who named with the mutant, and a cell also name with Mr.cell.

The thing relevant to bodily tissue and health is character-ized. There is also a picture personified humorously. The picture of food is made comical, and it is made pleasant to see.

Next, it is the case of the system corresponding to a network (Fig. 2). Here, the system which installs on a server and carries out the main work is called a parent system.

What is installed in a client and send a data to a parent system

and takes in the processed data from a parent system, and displays a result is called a child system.

When this is used by four persons, a father, a mother, a son, and a daughter, (Fig. 2). A mother takes charge of a server machine and uses it in house living room. The father has installed the child system in the computer only for himself connectable with the Internet in the company. The son has installed the child system in his own notebook PC, is carrying around at work, and can access the Internet with a cellular phone. A daughter also calculates with the server. A mother registers the basic data of a father, a son, and a daughter like the above-mentioned with the server in which this parent system is installed. She registers each one of everyday meal information similarly.

Here it is possible to be able to input simultaneous [two or more persons into whom the check mark is attached as shown in Fig. 18]. Input and inspection of other men are also attained by doing so. If a mother inputs by changing to a son and sets a server's screen saver image display as a son's calculation result, a server will display a son's nutrient state by a screen saver. Of course, he can see his nutrient state with a notebook PC. He can chooses as shown in Fig. 19, what we do with the image display also of the setup of a picture.

In this case, he connects with a server by a client and inputs the result of a meal on an input screen. And he pushes the caculation button in the state of connection with a network. The server calculates his nutrient state by adding this additional data, and returns back to the client.

The chiled system of the client displays pictures such as screen saver on the client computer based on the returned data.

I will take for an example the case where the father eats a hamburger set to lunch in a company. Since description of a hamburger set showed and explained the drawing above, I would like you to refer to it. Fig. 20 is a user server's block diagram, and Fig. 21 is a block diagram of a client computer. An after [lunch] father begins an input with the personal computer connected in the network containing a health-care-administration child system. The input of meal data is first given to a server directly using a client 210. The client receives the server's information from an input device 212. A user chooses a food input from the input device of a client on the TOP screen of a server's health-care-administration system. Since the server's control device 201 displays a food search screen from a file 204, he puts a check into a food set on this search screen, inputs a hamburger set, and pushes a search button. The server takes out and displays the information on a hamburger set from the food file 206. Since a control device 201 will display the screen of the McDonald's hamburger set if he chooses the McDonald's hamburger here, he pushes a calculation button. Input data is related with the data in files 205 and 206, and the server's control device 201 processes it. The server saves the

processing result at a file 205, chooses the image data applicable to a processing result, and transmits text or data required for text creation to the directory to which the client personal computer was designated from the output unit 203. Installation of a child system

The control device 211 of the client computer 210 by which the child system is installed reads the data in this directory, and displays it on the display screen of a client as pictures and text, such as a screen saver. When new data is acquired from a server, the data of the picture file 216 or the text file 225 is eliminated. Although the processing result and the picture were expressed as one screen by the above-mentioned (refer to Fig. 16), they may divide a picture and text.

Now, the first time will presuppose that it was an input after breakfast. Menus are bread (60g), butter (10g), a ham (30g), and milk (200g). Here, shelf registration is explained in order to save time and effort.

The daughter is absent for a travel. After two persons attended their office, the mother inputted 4 persons collectively. What is necessary is to attach a check to three persons, to enter a common password, and just to push the O.K. button, since all four ID is saved on the input screen of Fig. 18 and the password is set up in common. Since it will move to a cooking selection screen if she refers to the keyword of breakfast (Fig. 22), a bread breakfast set (homemade) is chosen, and a calculation candidate is chosen and calculated (Fig. 23). Since it is displayed that all families ate the same menu here, fine tuning is required.

The mother changes bread into 30g.,since the father drank coffee instead of milk,she sets the milk coulum to 0g or may choose it and eliminate.

Coffee 150g was added. She pushes an additional button and displays a food search screen.

Coffee will be added, if she inputs coffee, does character search, and inputs weight and pushes the registration button. Since the daughter is traveling , she removes a check. And it will be registered if an individual calculation button is pushed each time.

Each one registered lunch and the mother registered supper collectively. An image display starts, three days after making it be the same as that of the following.

She makes it a setup which is not calculated since the daughter is traveling over a long period of time.

The mother will see her own nutrition data on the screen which displays a result.

Since she was anxious about the unbalanced diet of her son, she decided to express a son's nutrient state to a server as a picture. She chose the son as the setup of a picture

in Figs. 18 and 19, and attached the check for always displaying a server's picture. The picture which shows her son's nutrient state now will always be displayed on a server's screen lower right (Fig. 24). It turned out that the picture of a dairy cow is displayed since her son does not drink milk, and calcium is insufficient.

Next, it is the case where each one displays a picture with handheld devices, such as a cellular phone. In this case, as shown in Fig. 3, let terminals, such as a cellular phone and PDA, be clients centering the user server 31 . The father, the mother, and the son own the cellular phone each one, and a parent system is installed on the user server 31. A child system accesses the user server 31 from a cellular phone 32, and is downloaded and installed in a child system. The server demands ID and a password as a user inputting a user server's URL and connecting with a cellular phone. The user's input of what was set up at the time of parent system installation will display the screen of Fig. 25 on the browser of a cellular phone. The user's click of child system download will start the download to a cellular phone.

Now, suppose that the mother takes charge of the input of a user server's health-care-administration system in the father, the mother, and the son's three-person family. The input of basic data is possible even from a cellular phone, but since it takes time and effort , she inputs from a server's keyboard. She inputs each one of basic data like the above . She performed a setup of food as well as the above-mentioned. However, since a display is based on cellular phones, a display screen must make it legible on the screen of a cellular phone here (Fig. 26). Now, although the first input after breakfast was carried out, in order to save time and effort also here, the mother inputted 3 persons data from the server's keyboard collectively after breakfast. After lunch the father starts the child system of nutrition calculation with a cellular phone in a company. Since lunch was a chicken cutlet table d'hote (a chicken cutlet 70g, potato salad 50g, 50g of fried eggs, Consomme 150g, roll 60g), he chose the chicken cutlet table d'hote (corporate dining-room) from the set menu, and inputs the numerical value. Since there was no eyeball glow in an item, he pushed the additional button, referred to the food menu, and registered in accordance with the numerical value. Only by pushing a calculation button, data is transmitted to a server with packet communication, it calculates, a calculation result is downloaded to a cellular phone, and a picture is downloaded and replaced.

When there is no item of an eyeball glow in a user server's parent system, a user can download the item of an eyeball glow from a corporate server.

A user registers for everybody and every meal similarly and meal data will be inputted into a user server with the cellular phone after three days, and if a calculation button is pushed, a user server will process data and will send the picture and text as a processing result to a cellular phone. The child system of the cellular phone which took this in displays the sent picture or text on a cellular-phone screen with directions of a child system.

Next, it is the case where do not have a user server in a house, but tie terminals, such as the server and client computer of a system service company, and a cellular phone, and nutrition calculation is performed (Fig. 4). In this case, a user performs basic registration at terminals, such as a cellular phone. It is necessary to advertise and to notify of the address of a connection place for managing the health-care-administration system of this invention. Moreover, those who manage register it into the search engine site. The user enables it to access this system freely. Here, the user who got to know information proposes. He receives ID and the password for system use. Here, suppose that the user accessed the health-care-administration system of the server of a system offer company using the cellular phone. If the user enters ID and the password which were acquired beforehand here, a server's control device will display a nutrition calculation TOP screen on the display of a user's cellular phone from the file 274 of Fig. 27 (Fig. 29). He downloads a child system first. If he pushes system download on the TOP screen, a server's control device will send out the child system file 278 to a child system from an output unit 273, and will transmit it to a cellular phone. The input device 282 of a cellular phone receives this child system. If this is installed in the computer of a cellular phone, use of the child system will be attained. The user registers sex, age, height, weight, and an occupation according to the screen which a main program 274 displays, returns to the TOP screen, and creates a meal set from the data of the food file 276. Since the user registers the pork cutlet table-d'hote set (ABC resaurant) here, he inputs the set name, he moves to the search screen, chose the pork cutlet,inputs 150g, and inputs 10g of spinaches, 10g of carrots, 15g of potatoes, 5g of cooking oil, corn potage soup 150g, and Roll 60g from the input device of a cellular phone . The control device of a cellular phone sends out input data to the Internet public network from communications processing equipment.

The server's input device 272 acquires this data. The server's control device registers these input data into the personal information file 275. The user registers like the following some meal sets often eaten every day. The user set up the display of a picture three days afterward.

A fried pork cutlet was chosen and 10g of spinaches, 10g of carrots, 15g of potatoes, 5g of

cooking oil, corn potage soup 150g, and Roll 60g were inputted from the input device of a cellular phone like 150g, an input, and the following. The control device of a cellular phone sends out input data to the Internet public network from communications processing equipment, and, as for the control device of acquisition and a server, a server's input device 272 registers these input data into the personal information file 275 for this data. Some meal sets often eaten every day like the following are registered. The display of a picture was set up three days afterward.

the user inputs the dish of each meal, inputs meal data into a corporate server with the cellular phone after three days, and pushes a calculation button. the corporate server's control device chooses and processes data from files 275 and 276, and the picture and text as a processing result are sent to the cellular phone from the output unit 273. The control device of the cellular phone takes in this data with the input device 282 of Fig. 28, and saves it at the text file 285 and the picture file 286 of the child system. The control device displays the sent picture on a cellular-phone screen with directions of this system, . or displays textAbout the display of pictures, such as a screen saver, it described above.

This man shows his nutrient state also to a girl friend. She already uses the same system. He connects with the corporate server with his cellular phone, and opens his ID and the TOP screen after a password input. He opens a basic setting screen on the TOP screen of Fig. 29. If he chooses visitor registration in Fig. 30, the screen of Fig. 31 will appear. He checks the item of the contents of an inspection, enters Visitor ID and a visitor password, and informs her of these. She connects with the server in which the health-care-administration system is contained with the cellular phone, and enters this ID and password. A server's control device is compared with inputted ID, ID which has registered the password, and a password. And if in agreement, the menu panel for visitors will be displayed on a cellular-phone screen (Fig. 33). If download of the system for an inspection is chosen in the pictures, the download to a visitor's cellular phone will be begun for the child system for an inspection from the child system file of 278 through an output unit 273. The visitor installs in the cellular phone the child system downloaded with his cellular phone, and sets the child system in the cellular phone.

While communication connection is made, he inputs meal information into the server with the cellular phone, and he pushes a registration button. The server's control device processes data and registers a processing result into a server's file 275. And it takes out the picture and text which correspond to a processing result via an output unit from files 275 and 277, and transmits to his cellular phone. In this case, transmission and reception are a series of processings, and receive following transmission. She connects

with the server and goes this data for picking. If she chooses the data download for an inspection (Fig. 33) on the screen for visitors, the server's control device will send the newest his healthy nutrition information for an inspection to a visitor's cellular phone out of files 275 and 277. The control device of the cellular phone is full for the file of the child system, and displays these data on a cellular-phone screen according to directions of the child system. Here, the method of depending on manual operation is displayed (Fig. 34).

There is also the method of going to take processing data by connecting with a server on schedule and On schedule the child system and control device of a cellular phone will connect with a server. And it downloads the same data previously sent him out of the file of a parent system.

The child system is taking in about the these downloaded data. And it displays on the screen of the cellular phone with directions.

In case a woman as well as a man does nutrition calculation. When a woman registers meal data into a server.,in other words when a registration button is pushed, nutrition calculation of a server's control device is carried out based on input data. And when the control device saves processing data at a file 275, it sends text data from a file 275 and image data from a file 277 to her cellular phone.

And it sends the text and image data which are the newest his processing result simultaneously to her cellular phone from a file 275 or 277. The data folder for themselves and the data folder for partners are built to a child system so that the data received at this time may not mix up. Or it carries out attaching an identification mark to each data etc.

You can choose in your oun data or your partner's data.

If they are discriminable, you may carry out an image display by turns.

In case teaching a partner health and a nutrient state, there is also a method using e-mail. A user connects with a server and after inputting his ID and password he moves to an e-mail inspection setting screen from a basic setting screen(Fig 30). And he puts in a check for sending a processing result by e-mail, and registers a visitor's mail address (Fig. 32). If the user inputs meal information and pushes a registration button, the server's control device will process data, a processing result will be registered into the server's file 275, and the picture and text which correspond to a processing result from an output unit 272 will be sent to the user's cellular phone. In this case, transmission and reception are a series of processings. The server's control device mails the picture and text of this processing result for the visitor's mail address

simultaneously.

Nutrition calculation is carried out by this health-care-administration system, and the data is sent to the visitor. A user's feeling and transmission of a body state can also be performed at the time of the data input.

When the message was choosen on the top screen of Fig 64 and CRY was chosen by setup of the feeling of the now of Fig 35,the picture of a face which sniveled reaches a visitor's cellular phone together with nutrition data.

You may write some messages. This is what is called the "playing", and simple nutrition calculation expects to serve as pleasant communication improvement of a friend, lovers, or a family.

A case of the operation is explained further. Fig. 36 expresses movement of the data through the server with which the this parent system was installed. The child system of nutrition calculation is installed in the terminal of the A son and B child, and B child is the nutrition calculation visitor of the A son. In (a), from the terminal 364 of the A son, data is sent to a server 361, calculation processing is carried out, and the nutrition data 362 of the A son after the processing is received. A server also creates the nutrition data 363 of the A son shown to B child at the time of this calculation processing. There is also a method of sending the data 363 created at this time to B child's terminal by e-mail. (b) is a figure which also receives the data 363 of the A son, when B child sends his own meal data to a server 361 and receives processing data. As for B child, a self nutrient state can also express the nutrient state of the A son as a terminal.

How to input data into a server by the flow chart of Fig. 37 is explained. ID and the password for a server input shall be published beforehand. At Step S01, the data of accountants, such as an input (Step S02), and the body, work, is registered into a server for a password with connection and ID at a terminal (Step S03), and cooking and food which an accountant often eats are also registered (Step S04). If there is a visitor who shows an accountant's meal poor meal and nutrition data here, the ID and mail address will be registered (Step S05), and the level and the contents of data which are shown to the visitor are also registered (Step S06).

After registration finishes, it becomes the input of daily meal data (Step S07). If calculation execution (Step S08) is inputted and carried out, a server will send an accountant's nutrition data to an input person's terminal (Step S11),If there is a partner's data which a server saves the nutrition data for visitors in a server at this time, or carries out e-mail transmission at a visitor terminal (Step S09) and which has registered a partner's ID to peruse beforehand and is perused, that data will be crowded for a terminal (Step S10). Nutrition data is displayed at an input person's terminal

(Step S12).

In Fig. 38, it describes about the role of apparatus. The child system is installed in the accountant terminal by the case where a server is minded, and (a) displays the calculation processing result taken in from data taking in from a server, and a server. For example, when calcium is insufficient as a result of nutrition calculation, the nutrient name and insufficient quantity, the food name included, the name of a disease, its related picture, etc. is captured from a server, and it is displayed its picture .The parent system is installed on the server, the basic data of nutrition calculation, such as food, a nutrient contained, and related illness, a related picture, is contained, calculation processing of the data input from a terminal and its data is carried out, and the data in relation to a result is sent to an accountant terminal. In the upper example, it becomes data relevant to the shortage of calcium. Moreover, preservation of data, and sending and preservation of the data for an inspection to a visitor are also performed. At a visitor terminal, the child system is installed and acquisition acceptance and its display of accountant data are performed. With an accountant, it is assumed that they are an accountant and the same person here. When a mother calculates for a child. In a mother, a child becomes an accountant by an accountant.

Next, direct terminals describe an exchange of data through a server. Even if what has a large storage capacity does not use a server with a cellular phone, either, data storage and processing are possible. This tendency becomes large by technical progress from now on. Fig. 38 (b) performs display, data storage, processing result sending with the mail to a visitor, data storage for an inspection, etc. at the accountant terminal containing this system as a result of data input and calculation processing. Accountant data is acquired by e-mail and it is expressed as a visitor terminal. In this case, the data for an inspection is also created and sent simultaneously with calculation execution with an accountant terminal. Of course, a visitor also turns into an accountant and an accountant also gets used to a visitor. Thereby, a partner's data can be seen at any time. 504, 505 series, etc. of NTT DoCoMo are possible for this in part at a cellular phone.

Fig. 39 is a composition figure showing the relation of a terminal. It is also possible to exchange data with e-mail, infrared transmission equipment, a cable, a record disk, etc. without through a server now. E-mail and infrared transmission equipment became more possible than 504 series of NTT DoCoMo etc. in the cellular phone. Each equipment is connected bus line 394. The character data to which individual data and visitor mail address of basic data which a main program uses for nutrition calculation at

a file 396, such as food and a nutrient, or an accountant give a calculation processing result indication of the file 397, and the data which image data sent to the visitor at the file 398 are saved at the file 395.

Operation of this system is explained according to the flow chart of Fig. 40. It is ordered the following operation by the main program. A nutrition calculation system is started and the mail address of the partner who tells a nutrient state (S21) is inputted. (S22) If an accountant's body information and living information are inputted from an input device 391 next, a control device 392 saves these data at a file 396. (S23) the next every day a meal movement data inputting execution a key pushing if a control device (S24) this data basic data reference carrying out operation processing carrying out a result a display being required data 397 from choosing a result a display 390 displaying while an inspection partner a result data a communication apparatus 393 minding e-mail transmission carrying out . The other party which received e-mail operates a terminal, and displays processing and an accountant's calculation result for receiving data on a display.

here each equipment of a computer explanation it supplements about a required thing. A control device is also called processing unit (center) (CPU), and is said to a main program also as a control program. A memory, RAM, and a file are also included in memory storage. As for an output unit, a screen, a printer, and communication are included, and, as for an input device, a keyboard and a mouse are contained.

In Fig. 41, an example of a result when 35 years old and a male with a height of 170cm do nutrition calculation by this system was described. In this, calcium is taken for an example. Since 100mg ran short from the standard as a result of calculation processing, a cavity and the name of a disease of fracture can display on a screen, and a picture with humorous cavity bacillus (mutant man) and bone which broke is displayed on a screen. Moreover, calcium can display the text of the dairy products contained or small fish, and the dairy cow by which it weakened since it was insufficient, and the face was troubled, and the troubled pond smelt are displayed on a screen. By selection of these displays, the display of only the picture of food is also possible. Moreover, data is sent to a partner's terminal and the troubled dairy cow and the troubled pond smelt are displayed on it. This and the picture of an ape which was instead sulky with selection are good.

It is also possible to display by the picture of this ape mark-izing feeling of the now of the mark under Fig. 41 and the accountant of Fig. 42, and totaling these. For example, the image data of the ape to which the present feeling wore the face at 2-6=-4 in which

+2 and a nutrient state are more ordinary than sum total +1. figure 42 (b) by good also for +3 from Fig. 42 (a) and work by good is sent to an inspection partner's terminal. Or the ordinary sign data for apes may be sent and the picture of the ape in an inspection partner terminal may be called. This method is good for an inspection partner to know the nutrient state carried out clearly. Communication with a partner also bounces now. Fig. 43 is an example of the command in the case of calling a picture and character data. p expresses image data, f expresses food data, and 132 expresses a number with p of 431, f, and 132. That is, they are the instructions "choose No. 132 of food by a picture." They are the instructions which p of 432 chooses a picture, and m chooses an ape, and choose the picture of No. 3 of an ape by a number 03.

It supplements with the contents explained in Fig. 36 in Fig. 44 and Fig. 36. Fig. 44 is the composition of a server's equipment. The character for a display of illness, influence, etc. in which basic data, such as food required for nutrition calculation, a nutrient contained, its content, and people's required quantity classified by standard individual, etc. relates to 448, image data, etc. are contained in the main program of this system, and 447 for each individual's body data, calculation processing result data, data set [display inspection] up, etc. at 449 446. 445 is a connection bus line.

It connects with a server at Accountant's A terminal, and if ID and a password are entered for information, such as individual data, such as an input, height, and weight, and an inspection partner's ID, the display method, etc. from an input device, a control device saves these data at a file 449. If daily meal data is inputted and an execution key is pressed, based on the basic data of a file 447, and the individual data of a file 449, preservation and a control device will calculation-processing-choose display data as 449 from 448 for a result based on this processing result, and a control device 443 will display it on a display 441. Moreover, based on the processing result for accountants, a control device creates the data for visitors, chooses the data for a display from 448, and saves it at the file of 449. Or this data is transmitted to a visitor terminal by e-mail. When a visitor connects with this system of a server and does execution processing, this saved data for an inspection is taken into a visitor terminal.

The above explained the case where a server was minded. It thinks the same way by the exchange of the terminals which do not mind a server. A point which the equipment of Fig. 44 is mostly applied to an accountant's terminal, and is different is a deed with a terminal about processing. Needlessness and the individual data of 449 are not a large number, and ID and a password are e-mail in the data transmission to a visitor by the accountant and a visitor.

Here, the thing of a terminal with computer ability is described also as equipment with computer ability. The thing of apparatus is described also as equipment. Moreover, sound data is voice, music, and a noise, and is saved and displayed on a file like a picture or character data by pre- explanation.

It supplements about the method of sending an input or processing data to an inspection partner. In e-mail transmission, if a visitor mail address is registered into this system, a control device will carry out inspection data creation by a main program, and it will transmit. If the A's son registers an inspection partner's ID when sending from a server for example, this system is pass bko pass meaning .bko registers into a server's individual file the data which means B child, and inspection data for B children of the A's son,When it connects with a server with a password with the B child ID, a control device searches the data with a password of bko from the above-mentioned individual file based on the password bko which B child entered, and sends it to B child terminal.

Industrial availability A user is solitary and insipid nutrition calculation by this sistem,Since the screen saver of a computer and a cellular phone wait, and not calorie calculation but a calculation result receives by the character or a comical picture and is displayed in the pictures, it is pleasant,Moreover, a sense of solidarity and a sense of responsibility arise by showing data to each other with a friend, a sweetheart, etc.,Friendship is promoted, and the subject related healthily can also become abundant, can be useful for the increase in knowledge, and can continue health care administration indefinitely mutually,From vague health information, calcium will always be conscious of the healthy data of running short by what l. milk with a continued display by a comical picture, and takes care of the health care administration of every day, such as eating habits.

rather than saying to a child at full length by means of language, "bony growth will worsen if calcium is insufficient"a pleasant picture game feeling concrete it can show the concern about nutrition and food deepening health education role. It can stand. Furthermore, the tastes of food make it realize by a concrete nutrition data display and its warning picture not to be good, and it is useful for the improvement. The merit of data exchange with a friend described above.

The system which can transmit self data to others simultaneously at the time of data registration of self to a server excludes a trouble procedure transmitted to others. Self data can be sent to two or more men, without as a result troubling. Here, it is set to one

of the motives for this to promote each other sense of solidarity and friendship as a result, and to offer subject, as a result to continue nutrition calculation indefinitely.

This system is applicable besides nutrition calculation. When continuing taking data by work, or an exchange diary and observation, data exchange is simply possible for both sides. Moreover, processing of data is also mixed at the time of processing.